



## Monthly and seasonal report GermanyEN

### August 2024

August 2024 was significantly warmer and sunnier in Germany than the long-term monthly averages and somewhat drier. This makes August 2024 the 23rd month in a row that was warmer than the respective monthly averages from 1961 to 1990. Temperatures were above the long-term averages throughout Germany and in some cases reached deviations of more than 4 K in the south. Very warm, humid air masses played a particularly important role during the first two decades of the month. Hot days with temperatures of 30 °C or more occurred across the board in the middle and at the end of the month. Precipitation was below target in many areas. In the northeast and extreme southwest, less than 50% of the precipitation of the reference period 1961-1990 fell in some places. The wettest months, however, were in the eastern Alps, where more than 200 mm fell in some places, which in some cases led to flooding. At the same time, the sun shone above average throughout Germany, resulting in one of the sunniest August months.

The regional average temperature for Germany was 19.9 °C. Compared to the long-term average of the climate normal period 1991-2020, the month was 1.9 K warmer, and compared to the international climatological reference period 1961-1990, it was 3.4 K warmer. This makes August 2024 the 4th warmest since 1901 and since 1881, together with the years 2018 and 2015, one of the very warm August months.

The average monthly rainfall in Germany was 61.4 mm. This is 16.4 mm or 21.1% less than the average for the period 1991-2020 and 15.8 mm or 20.4% less than in the reference period 1961-1990. August 2024 was thus the 34th driest since 1881, or the 26th driest August in Germany since 1901.

The regional average sunshine duration was 261 hours. That is 49 hours or 23.1% more than in the comparable period 1991-2020 and 61.5 hours or 30.8% more than the average for the years 1961-1990. This puts August 2024 in third place among the sunniest August months since 1951.

## Monthly, seasonal and annual assessment with analysis of climate and weather trends.

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## Additional information

- Detailed description

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The German Weather Service is a federal authority within the portfolio of the Federal Ministry for Digital Affairs and Transport.

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